

What is claimed is:

1 1. A method comprising:
2 receiving a boot block into a secondary location;
3 pointing an execution address to the secondary location, wherein
4 the execution address is the address from which a processor executes
5 instructions when a system is turned on;
6 copying the boot block from the secondary location to a primary
7 location; and
8 pointing the execution address to the primary location.

1 2. The method of claim 1, pointing an execution address to the
2 secondary location further comprising:
3 inverting an address bit of the execution address.

1 3. The method of claim 2, inverting an address bit of the execution
2 address further comprising inverting address bit sixteen of the execution
3 address.

1 4. The method of claim 1, further comprising:
2 confirming that the copying of the boot block is complete prior to
3 pointing the execution address to the primary location.

1 5. The method of claim 1, pointing the execution address to the
2 primary location further comprising de-inverting the address bit of the execution
3 address.

1 6. A system comprising:

2 a processor;

3 a flash memory comprising a primary location and a secondary

4 location; and

5 a boot block executed from the primary location, wherein the boot

6 block further:

7 receives a second boot block into the secondary location;

8 points an execution address to the secondary location;

9 copies the second boot block to the primary location; and

10 points the execution address to the primary location.

1 7. The system of claim 6, further comprising:

2 an address conversion mechanism for moving the execution

3 address.

1 8. The system of claim 6, further comprising:

2 a non-volatile storage for storing the second boot block.

1 9. The system of claim 6, further comprising:

2 a network interface card for connecting a system to a network and

3 for downloading the second boot block to the system.

1 10. The system of claim 6, further comprising:
2 a backup battery for maintaining the state of an address bit
3 following a power cycle.

1 11. The system of claim 10, further comprising:
2 a jumper for adjusting the address bit if the backup battery fails.

1 12. An article comprising a medium storing instructions for enabling a
2 processor-based system to:
3 receive a new boot block into a secondary location;
4 point an execution address to the secondary location, wherein the
5 execution address is the address from which a processor executes instructions
6 when the processor-based system is turned on;
7 copy the new boot block from the secondary location to a primary
8 location; and
9 point the execution address to the first location.

1 13. The article of claim 12, further storing instructions for enabling a
2 processor-based system to:
3 invert an address bit of the execution address.

1 14. The article of claim 13, further storing instructions for enabling the
2 processor-based system:
3 invert address bit sixteen of the execution address.

1 15. The article of claim 12, further storing instructions for enabling a
2 processor-based system to:

3 confirm that the copying of the new boot block is complete prior to
4 pointing the execution address to the primary location.

1 16. The article of claim 12, further storing instructions for enabling a
2 processor-based system to:

3 de-invert the address bit of the execution address.

1 17. A method comprising:

2 copying a boot block from a primary location to a secondary
3 location;

4 pointing an execution address to the secondary location,
5 wherein the execution address is the address from which a processor
6 executes instructions when a system is turned on;

7 copying a new boot block to the primary location; and
8 pointing the execution address to the primary location.

1 18. The method of claim 17, pointing an execution address to the
2 secondary location further comprising inverting an address bit of the
3 execution address.

1 19. The method of claim 17, further comprising:

2 confirming that the copying of the boot block is complete prior
3 to pointing the execution address to the primary location.

1 20. A system comprising:
2 a processor;
3 a flash memory comprising a primary location and a secondary
4 location; and
5 a boot block executed from the primary location, wherein the
6 boot further:
7 is copied to the secondary location;
8 points an execution address to the secondary location;
9 copies a new boot block to the primary location; and
10 points the execution address to the primary location.

1 21. The system of claim 20, further comprising:
2 an address conversion mechanism for moving the execution
3 address.

1 22. The system of claim 21, further comprising:
2 backup battery for maintaining the state of an address bit
3 following a power cycle.

1 23. The system of claim 20, further comprising:
2 a jumper for adjusting the address bit if the backup battery
3 fails.

1 24. An article comprising a medium storing instructions for enabling
2 a processor-based system to:
3 copy a boot block from a primary location to a secondary
4 location;

- 5 point an execution address to the secondary location, wherein
- 6 the execution address is the address from which a processor executes
- 7 instructions when a system is turned on;
- 8 copy a new boot block to the primary location; and
- 9 point the execution address to the primary location.

1 25. The article of claim 24, further storing instructions for enabling
2 a processor-based system to:
3 confirm that the copying of the boot block is complete prior to
4 pointing the execution address to the primary location.

- 1 26. A method comprising:
 - 2 receiving an upgrade program into a secondary location;
 - 3 executing instructions from the secondary location by a
 - 4 processor;
 - 5 copying the upgrade program from the secondary location to a
 - 6 primary location; and
 - 7 executing instructions from the primary location.

1 27. The method of claim 26, further comprising:
2 modifying a logic component such that an execution address is
3 pointed to the secondary location.

1 28. The method of claim 26, further comprising:
2 modifying an address bit such that an execution address is pointed
3 to the secondary location.